



COUNTY OF SONOMA

575 ADMINISTRATION
DRIVE, ROOM 102A
SANTA ROSA, CA 95403

SUMMARY REPORT

Agenda Date: 5/9/2023

To: Board of Directors, Sonoma County Water Agency
Department or Agency Name(s): Sonoma County Water Agency
Staff Name and Phone Number: George Lincoln 707-521-1808
Vote Requirement: 4/5th
Supervisorial District(s): Fourth

Title:

Airport Treatment Plant Control System Improvements

Recommended Action:

Authorize Sonoma County Water Agency's General Manager to execute the Second Amended and Restated Agreement for Airport Treatment Plant Control System Improvements with North Point Technology, LLC, in a form approved by County Counsel. The amended agreement increases the amount by \$150,000 and extends the agreement term by two years for a new not-to-exceed agreement total of \$650,000 and end date of December 30, 2025.

Executive Summary:

This item requests authority for Sonoma County Water Agency's (Sonoma Water) General Manager to execute an amended agreement with North Point Technology, LLC, (Consultant) to continue providing control system integration and programming improvement services at Sonoma Water's Airport-Larkfield-Wikiup Treatment Plant. These services include process upgrades and additional programming and assistance to address previously unknown control system alterations that affected optimization and incorporation into Sonoma Water's recently updated supervisory control and data acquisition (SCADA) system.

Discussion:

HISTORY OF ITEM/BACKGROUND

Sonoma Water owns, operates, and maintains a control system (System) at Sonoma Water's Airport-Larkfield-Wikiup Sanitation Zone Wastewater Treatment Plant (Airport Treatment Plant). The Airport Treatment Plant was constructed in several phases beginning in the early 1980s on the site used for wastewater treatment by Sonoma Public Infrastructure (formerly the County of Sonoma, Department of Transportation and Public Works). The fourth phase, completed in 2002, added a microfiltration process involving membrane technology with a capacity of up to three million gallons per day. The previous System, which was obsolete, was replaced in 2022 with a modernized System that meets industry standards and complies with current State and Regional Water Quality Control Board regulatory requirements.

Previously unknown internal physical System alterations were not discovered until work was finished; therefore, optimization and incorporation of the System into Sonoma Water's SCADA system requires additional programming and assistance to address these unexpected issues.

Sonoma Water and Consultant entered into an agreement on December 12, 2019, for control system programming and related services in the amount of \$500,000.

The first amended agreement added one year to the agreement term for a new term end date of December 30, 2023, at no additional cost to Sonoma Water.

SELECTION PROCESS

Consultant was selected from a list of qualified consultants developed from a competitive selection process. Attached is a memo that explains the competitive selection process.

Consultant was selected to perform the work because Consultant is a qualified and licensed engineering firm experienced in assessing and upgrading wastewater microfiltration systems, integrating control systems, and programming programmable logic controls and SCADA systems that are used to remotely monitor plant processes. In addition, Consultant has worked at the Airport Treatment Plant and is familiar with the facility and its existing Pall filtration system. Consultant has experience upgrading these systems.

SERVICES TO BE PERFORMED

Under the amended agreement, Consultant will continue System integration and programming improvement services at Sonoma Water’s Airport Treatment Plant. Programming improvement includes process upgrades and services in compliance with regulatory requirements.

In addition, Consultant will provide additional programming and assistance to address previously unknown internal physical System alterations that affected optimization and incorporation into Sonoma Water’s SCADA system.

The additional cost is \$150,000, for a new not-to-exceed agreement total of \$650,000. The new end date is December 30, 2025.

County of Sonoma Strategic Plan Alignment

N/A

Sonoma Water Strategic Plan Alignment

Wastewater Treatment and Water Reuse, Goal 1: Improve operational reliability of wastewater treatment and water reuse systems.

Work performed under this amended agreement will provide continued improvement and maintenance of treatment plant processes and ensure System reliability and resilience.

Prior Board Actions:

11/19/2019: Approved agreement between Sonoma Water and North Point Technology, LLC, for control system integration and programming improvement services at Sonoma Water's Airport-Larkfield-Wikiup Sanitation Zone Wastewater Treatment Plant. Cost \$500,000; term end December 30, 2022.

FISCAL SUMMARY

Expenditures	FY 22-23 Adopted	FY23-24 Projected	FY 24-25 Projected
Budgeted Expenses	\$50,000	\$50,000	\$50,000
Additional Appropriation Requested			

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Total Expenditures	\$50,000	\$50,000	\$50,000
Funding Sources			
General Fund/WA GF			
State/Federal			
Fees/Other	\$50,000	\$50,000	\$50,000
Use of Fund Balance			
Contingencies			
Total Sources	\$50,000	\$50,000	\$50,000

Narrative Explanation of Fiscal Impacts:

Budgeted amount of \$50,000 is available from FY2022/2023 appropriations for the Airport Treatment Plant Construction Fund. No additional appropriation is required. FY 2023/2024 and FY 2024/2025 appropriations will be budgeted in those fiscal years.

Staffing Impacts:			
Position Title (Payroll Classification)	Monthly Salary Range (A-I Step)	Additions (Number)	Deletions (Number)

Narrative Explanation of Staffing Impacts (If Required):

N/A

Attachments:

Attachment 1: Competitive Selection Process Memo

Related Items "On File" with the Clerk of the Board:

None.